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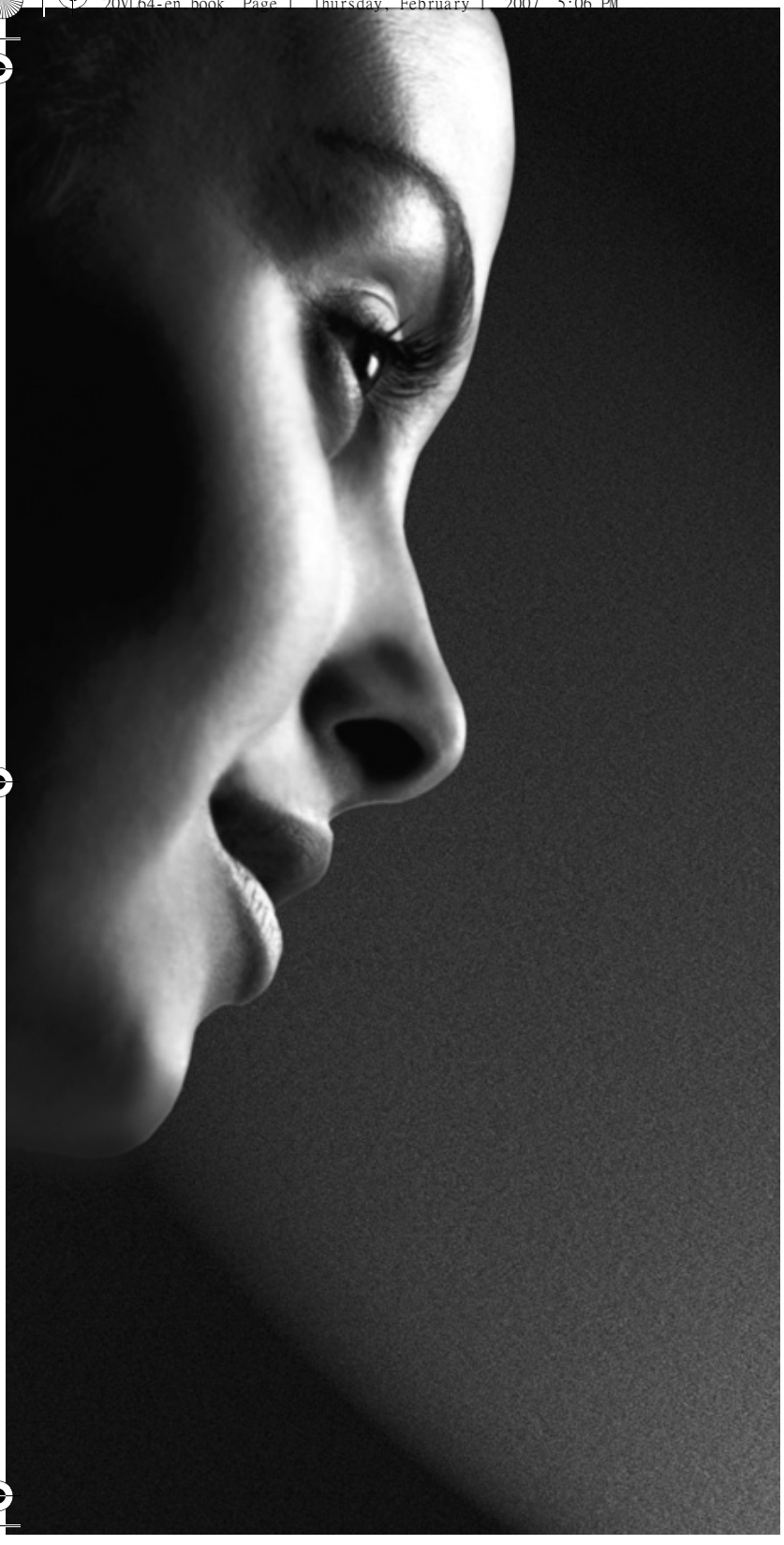

TOSHIBA

20VL64
15VL64
Series

Owner's manual

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Safety precautions

This equipment has been designed and manufactured to meet international safety standards but, like any electrical equipment, care must be taken to obtain the best results and for safety to be assured. Please read the points below for your own safety. They are of a general nature, intended to help with all electronic consumer products and some points may not apply to the goods you have just purchased.

Air Circulation

Leave more than 10 cm clearance around the TV to allow adequate ventilation. This will prevent overheating and possible damage to the TV. Dusty places should also be avoided.

Heat Damage

Damage may occur if the TV is left in direct sunlight or near a heater. Avoid places subject to extremely high temperatures or humidity, or locations where the temperature is likely to fall below 5°C (41°F).

Mains Supply

The mains supply required for this equipment is 110 - 240 V AC 50 Hz. Never connect to a DC supply or any other power source. DO ensure that the TV is not standing on the mains lead. DO NOT cut off the mains plug from this equipment, this incorporates a special Radio Interference Filter, the removal of which will impair its performance. In the UK, the fuse fitted in this plug is approved by ASTA or BSI to BS1362. It should only be replaced by a correctly rated and approved type and the fuse cover must be refitted. IF IN DOUBT PLEASE CONSULT A COMPETENT ELECTRICIAN.

Do

DO read the operating instructions before you attempt to use the equipment.

DO ensure that all electrical connections (including the mains plug, extension leads and inter-connections between pieces of equipment) are properly made and in accordance with the manufacturers' instructions. Switch off and withdraw the mains plug before making or changing connections.

DO consult your dealer if you are ever in doubt about the installation, operation or safety of your equipment.

DO be careful with glass panels or doors on equipment.

Do not

DON'T remove any fixed covers, as this will expose dangerous and 'live' parts.

DON'T obstruct the ventilation openings of the equipment with items such as newspapers, tablecloths, curtains, etc. Overheating will cause damage and shorten the life of the equipment.

DON'T allow electrical equipment to be exposed to dripping or splashing or objects filled with liquids, such as vases, to be placed on the equipment.

DON'T place hot objects or naked flame sources, such as lighted candles or nightlights on, or close to equipment. High temperatures can melt plastic and lead to fires.

DON'T use makeshift stands and NEVER fix legs with wood screws. To ensure complete safety, always fit the manufacturers' approved stand, brackets or legs with the fixings provided according to the instructions.

DON'T listen to headphones at high volume, as such use can permanently damage your hearing.

DON'T leave equipment switched on when it is unattended, unless it is specifically stated that it is designed for unattended operation or has a standby mode. Switch off by withdrawing the plug, make sure your family know how to do this. Special arrangements may need to be made for people with disabilities.

DON'T continue to operate the equipment if you are in any doubt about it working normally, or it is damaged in any way - switch off, withdraw the mains plug and consult your dealer.

ABOVE ALL - NEVER let anyone, especially children, push or hit the screen, push anything into holes, slots or any other openings in the case.

NEVER guess or take chances with electrical equipment of any kind - it is better to be safe than sorry.

THE MAINS PLUG IS USED AS A DISCONNECTING DEVICE AND THEREFORE SHOULD BE READILY OPERABLE.

Installation and important information

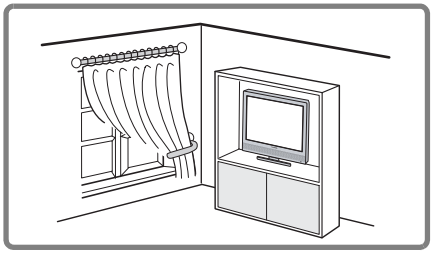
Where to install

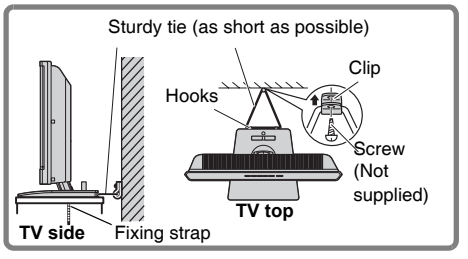
Locate the television away from direct sunlight and strong lights. Soft or indirect lighting is recommended for comfortable viewing. Use curtains or blinds to prevent direct sunlight falling on the screen.

Always place the TV on the floor or a sturdy level, stable surface that can support the weight of the unit. It must then be secured to a wall, pillar, or other immovable structure with a sturdy tie using the hooks on the rear of TV pedestal, or secured to the platform using a fixing strap located underneath the table top stand. Make sure the surface is wide enough so that the TV's width and depth don't exceed the surface's edges. If not, the TV may lean or fall over and cause an injury.

Make sure the television is located in a position where it cannot be pushed or hit by objects, as pressure will break or damage the screen, and that small items cannot be inserted into slots or openings in the case.

Note: A Toshiba wall bracket or stand, where available, must be used.
If a non Toshiba wall bracket or stand is used the products' BEAB approval will become void and the equipment is then used at the consumers own risk.





EXCLUSION CLAUSE

Toshiba shall under no circumstances be liable for loss and/or damage to the product caused by:

i fire;
ii earthquake;
iii accidental damage;
iv intentional misuse of the product;
v use of the product in improper conditions;
vi loss and/or damage caused to the product whilst in the possession of a third party;
vii any damage or loss caused as a result of the owner's failure and/or neglect to follow the instructions set out in the owner's manual;
viii any loss or damage caused directly as a result of misuse or malfunction of the product when used simultaneously with associated equipment;

Furthermore, under no circumstances shall Toshiba be liable for any consequential loss and/or damage including but not limited to the following, loss of profit, interruption of business, the loss of recorded data whether caused during normal operation or misuse of the product.

If stationary images generated by text services, channel identification logos, computer displays, video games, on screen menus, etc. are left on the screen for any length of time they could become conspicuous. It is always advisable to reduce both the brightness and contrast settings.

Important notes about your LCD TV

The following symptoms are technical limitations of LCD Display technology and are not an indication of malfunction. Therefore, Toshiba is not responsible for perceived defects resulting from these symptoms.

1. An afterimage (ghost) may appear on the screen if a fixed non-moving image is displayed for a long period of time. The afterimage is not permanent and will disappear in a short period of time.
2. The LCD panel contained in this TV is manufactured using an extremely high level of precision technology; however, there may be an occasional pixel (dot of light) that does not operate properly (that does not light, that remains constantly lit, etc.). This is a structural property of LCD technology, is not a sign of malfunction, and is not covered under your warranty. Such pixels are not visible when the picture is viewed from a normal viewing distance.

Note: Interactive video games that involve shooting a "gun" type of joystick at an on-screen target may not work on this TV.

Cleaning the screen and the cabinet

After turning off the power, clean the screen and the cabinet with a soft, dry cloth. We recommend that you do not use any proprietary polishes or solvents on the screen or cabinet as this may cause damage.

Disposal

The cold cathode fluorescent lamp in the LCD panel contains a small amount of mercury, when the set reaches the end of its useful life please dispose of it in accordance with Local Government Regulations or at a recycling centre.

Following information is only for EU-member states:

The use of the symbol indicates that this product may not be treated as household waste. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

Getting started

Thank you for purchasing this Toshiba LCD TV. The goal of this manual is to guide you through setting up and operating your Toshiba TV as quickly as possible. Instructions in this manual are based on using the remote control. You can also use the controls on the TV if they have the same name as those referred to on the remote control. Please read all the safety and operating instructions carefully, and keep this manual for future reference.

Supplied accessories

Check that you have accessories and items as listed below.

- Accessory box
- Power cord
- Remote control
- Batteries

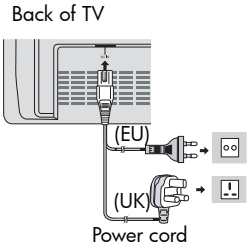
Note: SCART, VGA, RCA leads and 3.5mm stereo jack for PC audio are not supplied.

Precautions for moving the TV

- When moving the TV, be sure to remove the plug from the wall outlet and disconnect the antenna cable and audio/video cables, any steady ties. Fire or electric shock may result if the power cord is damaged.
- When carrying the TV, be sure to carry it upright.
- Never carry the TV with the screen facing up or down.

Power cord connection

1. Plug the power cord into the AC inlet on the back of the TV.
2. Plug the other end of the power cord to a wall socket. The power indicator turns blue when power is supplied. Now your TV is in stand-by mode.

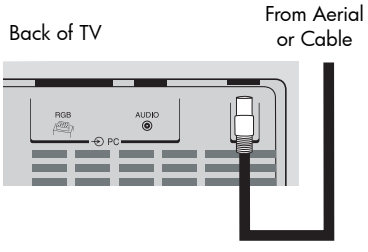


Note: If you are not going to use your television for a long period of time, make sure to remove the mains plug from the wall socket.

Aerial connection

This connection allows you to watch TV programs or basic cable channels.

To connect an aerial, plug the aerial lead into the aerial socket on the rear of the TV.



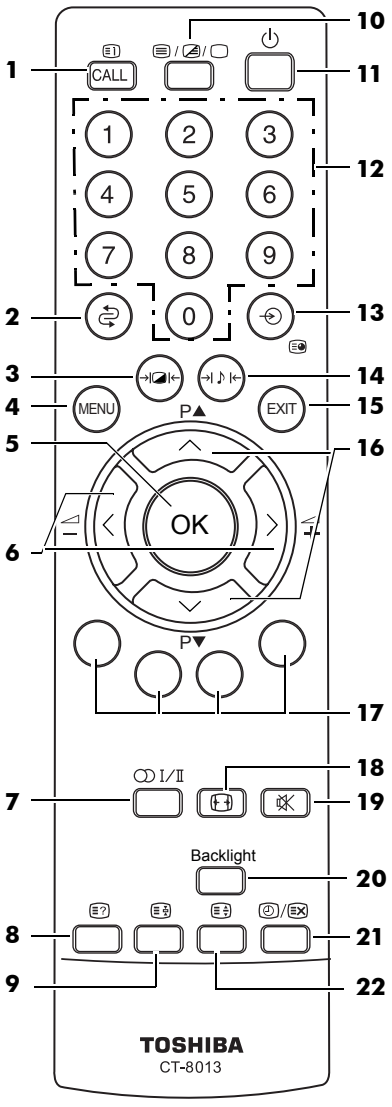
Press ⊕ on the remote control to select TV.

You can use an outdoor or indoor aerial. However, if you use an indoor aerial the quality of the reception may be reduced and adjustment of the aerial may be required when changing programs.

Note: If you live in a poor reception area or use an indoor aerial you may experience loss or corruption of teletext transmissions.

Controls

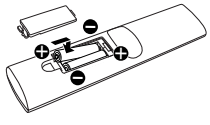
Remote control



1. Teletext index/initial button
   Info button (CALL)
2. Channel return button
3. Picture mode button
4. MENU button*
5. OK button
6. Volume up and down buttons (+/−)
   Menu adjustment buttons (< / >)*
7. Sound Type/Language selection button
8. Text Question/Answer button (Reveal)
9. Text stop button (Hold)
10. Text/Mix/TV selection button
11. Standby button*
12. Numeric buttons
13. External input selection button*
14. Sound mode selection button
15. EXIT button
16. Program up and down buttons (P▲/P▼)
    Menu adjustment buttons (^ / v)*
17. (From left to right) Red, green, yellow and blue text control buttons
18. Picture size selection button
19. Mute button
20. Backlight button
21. Teletext time/update button
22. Teletext enlarge button (Double size)

*The function has a duplicate location on the TV.

Battery installation and effective range of the remote



Remove the back cover of your remote control to reveal the battery compartment and make sure you insert the batteries the right way round.

Suitable battery types for this remote are IEC R03 and AAA 1.5V.

The performance of the remote control will deteriorate beyond a distance of 8 metres or outside an angle of 30 degrees from the remote sensor of the TV.

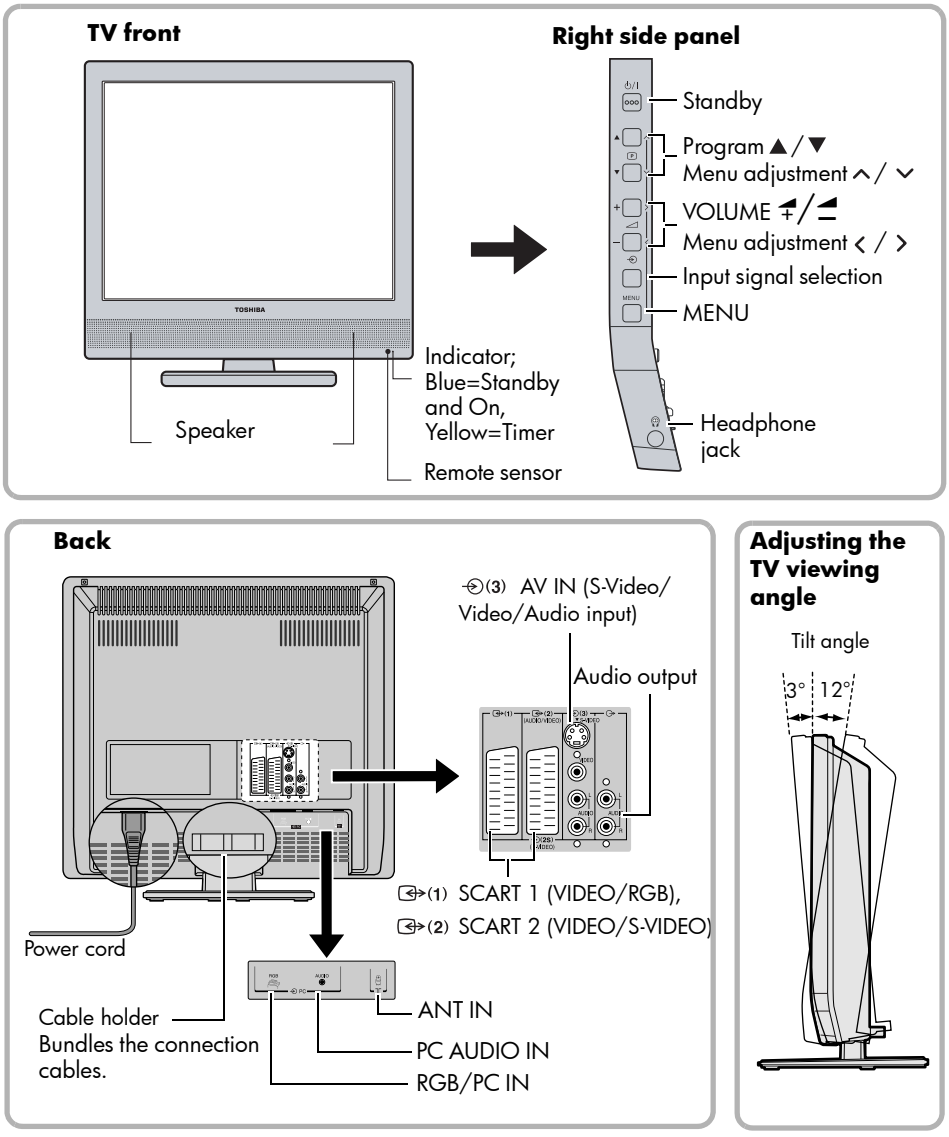
If the operating range becomes reduced, the batteries may need replacing.

Caution

- Remove dead batteries immediately to prevent acid leaking into the battery compartment. Dispose of them in a designated disposal area.
- Do not combine a used, old battery with a new one or mix battery types.

Warning: Batteries must not be exposed to excessive heat, such as sunshine, fire and the like.

TV



Please note

- Do not use Video RCA and S-Video connections at the same time, otherwise they will effect the picture.
- An RGB input from SCART 1 will give you better picture quality.

Connecting external equipment

You can connect a wide range of audio and video equipment to your TV. Before connecting any external equipment, turn off all main power switches. If there is no switch, remove the mains plug from the wall socket.

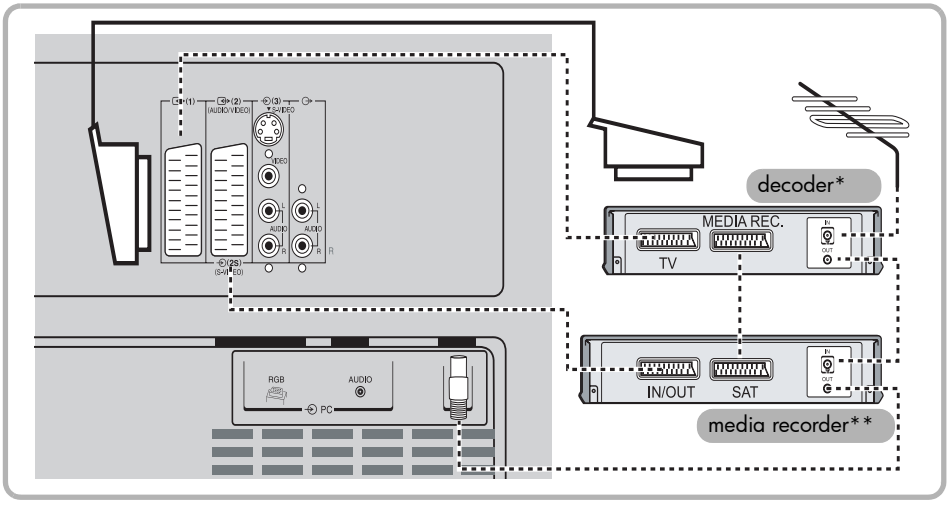
Please refer to the owner's manual of the equipment to be connected.

Connecting a media recorder and/or a decoder

This connection allows you to watch and record basic and premium cable channels, as well as watch or record videotapes/DVDs. Tune the VCR to an appropriate channel (the same channel as the decoder output switch), and use the decoder to change channels.

Connect the aerial to the socket on the rear of the TV. If you are using a decoder* and/or media recorder**, it is essential that the aerial cable is connected through the decoder and/or through the media recorder to the TV.

Switch on the decoder/media recorder and the TV. Press ⊕ on the remote control to select EXT1 to watch TV and record the TV. Press ⊕ on the remote control to select EXT2 to watch videotapes/DVDs and record the TV. See "Selecting an input signal" on page 19 for more information.



*A decoder could be Digital Satellite, Free to Air or any other compatible decoder.

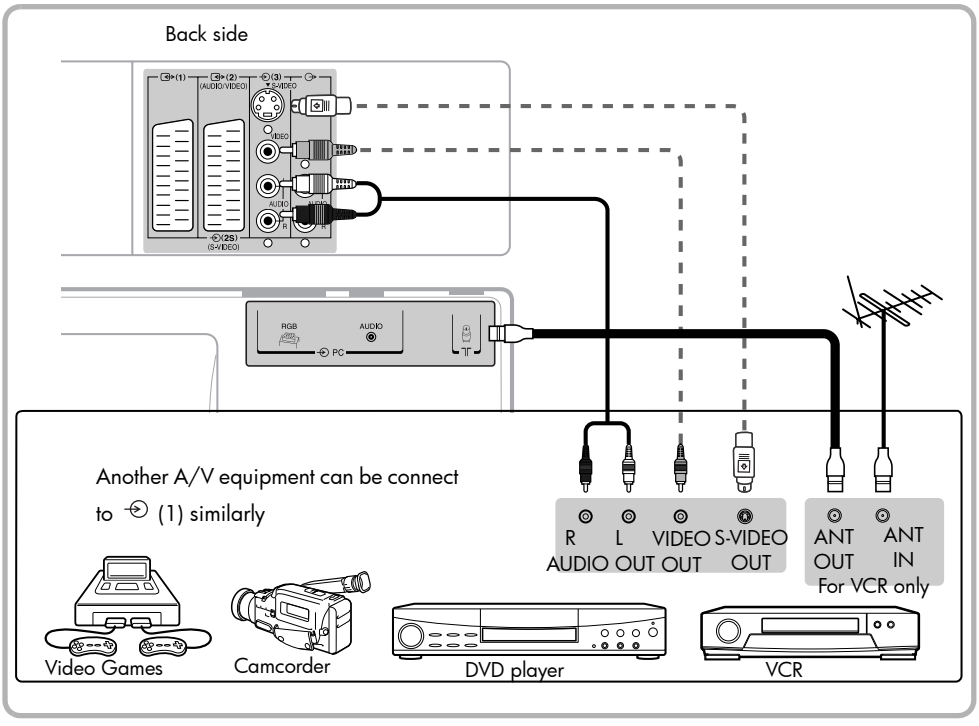
** A media recorder could be VCR (video recorder) or DVD recorder.

Connecting audio and video equipment with standard AV or S-Video terminals

You can connect video equipment such as a VCR, DVD player, camcorder or video game, etc. to this TV and enjoy the high quality picture.

If your video equipment has an S-VIDEO output terminal, connect it to the S-VIDEO input terminal of the TV and select EXT3-S as the input signal. If not, connect it to the standard AV terminal and select EXT3 as the input signal. An S-Video signal provides a better image quality than a video signal.

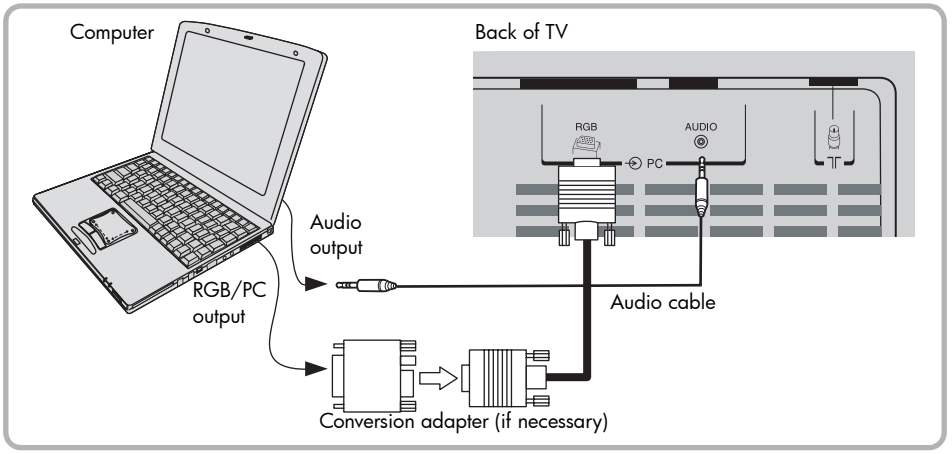
Switch on the devices and the TV. If you want to record the video or TV image, see "Selecting an input signal" on page 19 for more information.



- If you connect mono sound equipment to (3) , connect the audio output of the equipment to the L or R terminal on the TV. To select the L or R mono channel to be output on both speakers, please refer to "Selecting a sound type" on page 16.
- You can enjoy video games with this TV. A shooting game, however, which shoots the target on the TV screen with a ray gun may not work because of the LCD colour TV properties.

Connecting a personal computer (PC)

This connection allows you to view the image of a personal computer (PC) on the TV screen. When connecting a PC to the TV, use an analog RGB (15-pin) computer cable and a PC audio cable. Press ⊕ on the remote control to select PC to view the PC image. If a PC is not connected, or no signal is received, a "No Signal" message will move around the screen at random.

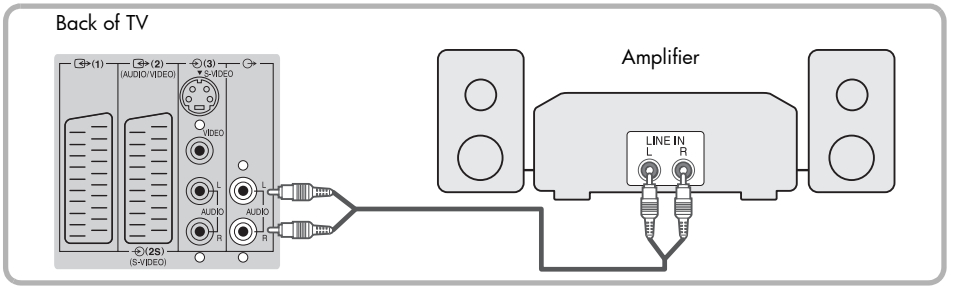


- To use a PC, set the monitor output resolution on the PC before connecting it to the TV. The following signals can be displayed.
  - SVGA: VESA 800 X 600 @ 60Hz (for 20VL64 series)
    XGA: VESA 1024 X 768 @ 75Hz (for 15VL64 series)
  - Other formats or non-standard signals may not be displayed correctly.
- To display the optimum picture, use the PC setting feature. See "Using the PC settings" on page 19 for details.
- If you want to record a TV program while viewing the PC image, connect your recorder to ⊕(1) or ⊕(2), and tune your TV to the channel that you want to record. See "Selecting an input signal" on page 19 for more information.

Note: Some PC models cannot be connected to this television

Connecting an audio system

This connection allows you to hear the TV sound through external speakers connected to an audio amplifier. The audio signal level (fixed) is not affected by pressing the volume buttons on the TV or the TV's remote control. To control the audio through the amplifier, use the audio system's volume control.



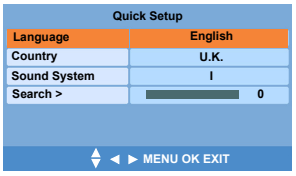
Using the TV

Quick Setup

Tuning the TV using Quick Setup for the first time turn-on

Before switching on your TV, ensure an aerial is connected and put your decoder and video recorder to standby modes if they are connected.

1. Press ⏻/I (Standby) on the right side panel of the TV, or ⏻ on the remote control to switch the TV on. The Quick Setup menu will display after a few seconds.



2. Press ❮ / ❯ to select your language.
3. Press ⌄ to highlight Country, and then press ❮ / ❯ to select the country you are located.
4. Press ⌄ to highlight Search >, and then press ❯ or OK to start auto-tuning. The slide bar will move along the line as the search progresses. This can take several minutes.

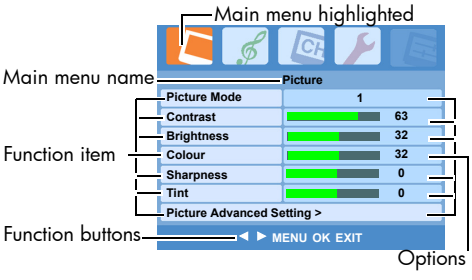
   Note: The progress bar may start for a second time if more than one sound system is searched.

   When the search is complete, the TV will automatically select programme position 1. This may not be a clean picture or the single may be weak. You can manually programme or edit the channels using the Channel menu. See "Adding channels manually" on page 14 for details.

Learning about the On-Screen Display (OSD) menu system

After you have turned on the TV, you will need to set some preferences for the TV by using the OSD menu system. You can access the system using the buttons on the TV or remote control.

1. Press MENU to display the OSD menu.
2. Press ❮ / ❯ to select a main menu.
3. Press ⌃/ ⌄ to select an function item.
4. Press ❮ / ❯ to adjust a setting, or press ❯ or OK to display the next page of menu and repeat step 3-4.
5. To return to the previous menu, or leave and save your menu settings, repeatedly press EXIT or MENU until the menu disappears.



Changing the on-screen display language

1. Press MENU and then press ❮ / ❯ until the Special menu appears.
2. Highlight Language by pressing ⌃/ ⌄.

3. Press ❮ / ❯ to select the language you wish to use. All the on-screen display text of your TV will be displayed in the language that you have selected.

Programming

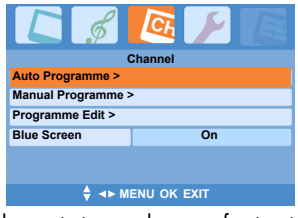
When you press P▲/P▼, your TV will stop only on the channels you program into the TV's channel memory. Follow the steps below to program all active channels into the TV's memory.

Programming channels automatically

Note: All previously stored programmes will be lost when Auto Programme is started.

Your TV can automatically detect all active channels in your area and store them in the channel memory.
To program channels automatically:

1. Press MENU, and then press ❮ / ❯ until the Channel menu appears.
2. Press ❯ to highlight Auto Programme and press ❯ or OK to display the Auto Programme page.



3. For the rest steps, please refer to steps 3 and 4, "Tuning the TV using Quick Setup for the first time turn-on" on page 13.

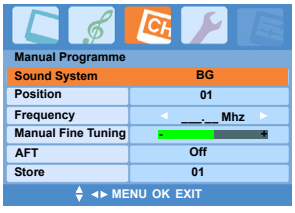
Note: If you want to stop searching, press ^, ❯, EXIT, or MENU.

4. Check the stored channels by pressing P▲/P▼.

Adding channels manually

After you have automatically programmed the active channels into the TV's channel memory, you can manually add some channels or erase some channels that you don't want to view.
To add channels:

1. In the Channel menu, press ^/ ❯ to highlight Manual Programme. Press ❯ or OK to display the Manual Programme page.
2. Highlight Sound System and press ❮ / ❯ to select a TV standard according to your local TV system.
3. Press ❯ to highlight Position and press ❮ / ❯ or the numeric buttons to select a channel you want to set up.



4. Press ❯ to highlight Frequency and press ❮ / ❯ to start the tuning system in descending or ascending order. If a channel is found, the picture is displayed.
5. If the picture is not clear or the signal is poor, you can fine tune the frequency.
   Press ▼ to highlight Manual Fine Tuning and press ❮ / ❯ to adjust the setting until the picture quality is acceptable.

Note: Under normal circumstances, you don't need to use the Manual Fine Tuning or AFT function.

The Auto Fine Tuning function (AFT) if set to On will automatically search and lock a suitable frequency for the channel.

6. To save the current channel settings to the TV's memory, highlight Store and press OK. The channel number will stop flashing.

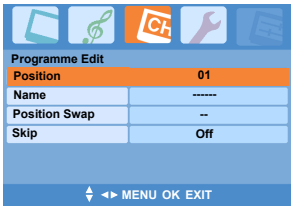
Editing programs, Setting up the sound

Editing programs

To set the TV to your personal needs, you can name the programs, swap channel numbers (change channels sequence), skip the programs that you don't need by using the functions provided in the Programme Edit menu.

To assign an up to 5-character label to channels:

1. Press MENU, and then press ‹ / › until the Channel menu appears.
2. Highlight Programme Edit and press › or OK to display the Programme Edit page.



3. Highlight Position and press ‹ / › or the numeric button to select the channel you want to edit.
4. Press ˇ to highlight Name and press › or OK. An asterisk will display in the first place.
5. Press ^ / ˇ to select a desired character from among A-Z, 0-9, and symbols like . + - , etc. for each. You can move between characters by pressing ‹ / ›.
6. When complete, press OK or ‹ to the far left hand side until the * disappears.

To swap channels:
You can sort out the similar types of channels from others or re-arrange the channel sequence to a preferred order by swapping channels.

7. Highlight Position and press ‹ / › or the numeric button to select the channel you want to swap.
8. Press ˇ to highlight Position Swap and enter another channel number that you would like to swap.
9. Press OK. The channel number will change immediately.

To skip unwanted channels:

10. Highlight Position and press ‹ / › or the numeric button to select the channel you want to skip.
11. Press ˇ to highlight Skip and press ‹ / › to select On. The selected channel will be skipped when you press P▲/P▼.

If you want to restore the skipped channel, repeat step 10-11 and select Off in step 11.

Setting up the sound

You can adjust the sound volume of your TV by using +/− on your remote control or TV. You can control the other sound settings by entering the Audio menu.

Selecting a sound mode

There are five sound modes available. To select a preset sound mode, press ♪ on the remote control repeatedly until the preferred mode is selected.

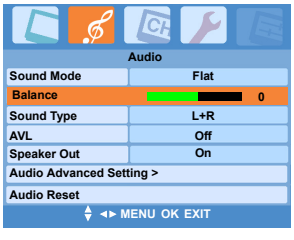
Mode	Sound Quality
Flat	flat sound (factory setting)
Hall	a concert hall filled with a rich warm sound (factory setting)
Theatre	a movie theatre filled with a dynamic sound (factory setting)
News	news/dialogue (factory setting)
Memory	your personal preference

Adjusting the sound quality

You can change the quality of your TV's sound by adjusting the balance, treble, and bass.

To adjust the sound balance:

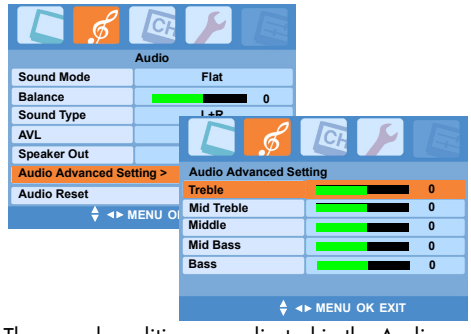
1. Press ˇ to highlight Balance and press ‹ / › to change the setting.



Setting up the sound (continued)

To adjust the sound treble and bass:

2. Press ⌄ to highlight Audio Advanced Setting > and press › to display the Audio Advanced Setting page.
3. Press ⌃ / ⌄ to highlight one of the items (Treble, Mid Treble, Middle,Mid Bass, and Bass) you want to adjust.
4. Press ‹ / › to adjust the level.



The sound qualities you adjusted in the Audio Advanced Setting page will be saved in the Memory mode.

To reset the audio settings:
Press ⌄ to highlight Audio Reset and press › or OK to return all of the audio settings to the default values of Flat.

Selecting a sound type

The program you watch might be stereo or in two different languages. The available options depend on the programme you are watching. When EXT1, EXT2, EXT3, EXT3-S, or PC input is selected, the options for sound type are L+R, L+L, R+R. Your selection decides from which speaker the audio is output.

To listen to different sound types:

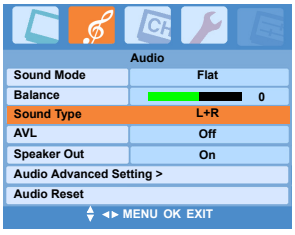
- Using the remote control

Press ⧉ I/II on the remote control repeatedly until the preferred type is selected.

- Using the on-screen display menu

In the Audio menu, press ⌄ to highlight Sound Type and press ‹ / › to select a preferred type.

If you experience noise or poor reception of any stereo/bilingual program, set the Sound Type to Mono. Noise will be reduced and reception may improve.



Using AVL

With the AVL (Automatic Volume Leveler) on, the TV will keep the sound level constant among different TV stations when viewing TV programs. To active the AVL function, go to the Audio menu, press ⌄ to highlight AVL, and press ‹ / › to select On.

Using the Speaker Out feature

Be sure you have correctly connected your TV to an external audio system, if you want to activate the Speaker Out function. For connection method, refer to "Connecting an audio system" on page 12.

To use the Speaker Out function:
In the Audio menu, press ⌄ to highlight Speaker Out and press ‹ / › to select Off to switch off the main TV speakers.

Setting up the picture

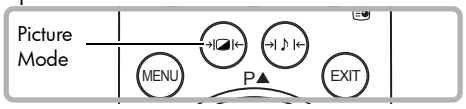
Selecting the picture mode

You can select your desired picture type from four picture modes: 1, 2, 3, or M.

To select the picture mode:

- Using the remote control

Press ⇥◪⇤ on the remote control repeatedly until a preferred mode is selected.



- Using the on-screen display menu

1. Press MENU, and then press ❮ / ❯ until the Picture menu appears.
2. Press ❯ to highlight Picture Mode and press ❮ / ❯ to select a preferred mode.

Adjusting the picture quality

If you are not satisfied with the preset picture quality, you can additionally adjust the picture contrast, brightness, colour, and sharpness levels based on a selected picture mode.

To adjust the settings:

1. In the Picture menu, press ❮ / ❯ until the item you want to adjust is highlighted.
2. Press ❮ / ❯ to adjust the level.
3. To continue adjusting the other items, repeat step 1-2.

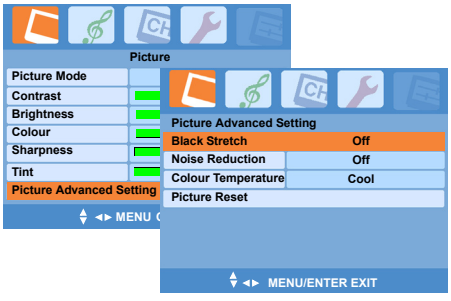
Selection	❮	Pressing	❯
Contrast	lower		higher
Brightness	darker		lighter
Colour	paler		deeper
Sharpness	softer		sharper
Tint	reddish		greenish

The changes you make in the picture settings will be stored to the M mode.

TINT: When an NTSC video signal is connected to EXT1, EXT2, EXT3 or EXT3-S, you can adjust the colour tint setting. If you do not connect this type of video, then the TINT option will not be available on the OSD menu.

There are more advanced settings open for adjustment: Black Stretch, Noise Reduction, Colour Temperature. To adjust the advanced settings:

4. In the Picture menu, press ❮ / ❯ until Picture Advanced Setting is highlighted.
5. Press ❯ or OK to display the Picture Advanced Setting page.
6. Press ❮ / ❯ until the item you want to adjust is highlighted and press ❮ / ❯ to adjust the level.



7. To continue adjusting the other items, repeat step 6.

Item	Options
Black Stretch (increases the strength of dark areas of the picture)	Low, Middle, High, Off
Noise Reduction (adjusts the noise reduction strength)	Low, Middle, High, Off
Colour Temperature (selects a preferred color temp.)	Normal, Warm, Cool

Note:
When the selected input signal is PC, the following functions will not be available: Colour, Sharpness, Tint, Black Stretch, and Noise Reduction.

To reset the picture settings:
In the Picture > Picture Advanced Setting menu, press ❯ to highlight Picture Reset and press ❯ or OK to return all of the picture settings to the default values of 1 mode.

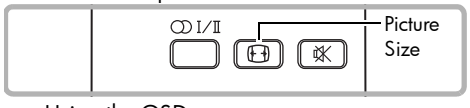
Features: Picture Size, Sleep Timer, Panel Lock, Backlight

Selecting the picture size

You can select a desired picture size (Auto, 4:3 or 16:9) either directly on the remote control or in the on-screen display menu.

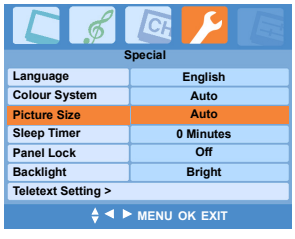
- Using the remote control

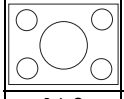
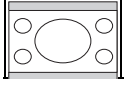
Repeatedly press ⊡ on the remote control to select a desired picture size.



- Using the OSD menu

1. Press MENU, and then press ❮ / ❯ until the Special menu appears.
2. Press ❯ to highlight Picture Size and press ❮ / ❯ to select a desired picture size.



Item	Pressing ❮ or ❯
Auto	Automatically adjusts the image to fit the TV screen.
4:3 	This is most suitable for 4:3 images like computer monitors, standard definition TV and 4:3 aspect DVD movies, as it displays them without aspect alteration.
16:9 	This is most suitable for images which are already in a 16:9 aspect, like high definition TV, as it displays them without aspect alteration.

Turning off the TV automatically (Sleep Timer)

If the Sleep Timer is set, the TV can automatically switch to stand-by mode at the preset time.

To set the Sleep Timer:

1. Press MENU, and then press ❮ / ❯ until the Special menu appears.
2. Press ❯ to highlight Sleep Timer and press ❮ / ❯ to set the length of time before the TV turns off.
   The time length ranges from 0 minutes to 120 minutes.
   0 → 15 → 30 → 45 → 60 → 120

The timer starts at the time the timer is set, and the TV indicator will turn from blue to yellow.

To cancel the sleep timer:
Select 0 minutes for the timer.

Note: When an instant power failure occurs or the TV is switched manually into standby, the sleep timer settings may be cleared.

Locking the control buttons on the TV's side panel (Panel Lock)

You can lock the control buttons on the TV to prevent your settings from being changed accidentally (by children, for example). When the Panel Lock is On, no control buttons on the TV panel will operate except pressing ⏻/I to turn into standby.

To active the panel lock function:

1. Press MENU, and then press ❮ / ❯ until the Special menu appears.
2. Press ❯ to highlight Panel Lock and press ❮ / ❯ to select On.

Note: Remove the remote control for Parental control.

Setting the Backlight

Your LCD TV set has a light behind its LCD panel. This light source, which is called a backlight, affects the brightness of the entire screen. In a darkened room with proper lighting, we recommend you lower this setting before you begin adjusting the brightness and contrast. You can always raise it later if it proves too dim.

To set the Backlight:

- Using the remote control

Press Backlight repeatedly to select.

- Using the on-screen display

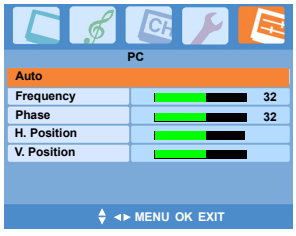
1. Press MENU, and then press ❮ / ❯ until the Special menu appears.
2. Press ❯ to highlight Backlight and press ❮ / ❯ to select Bright, Normal, or Power Save.

Features: PC Settings, Input Selection

Using the PC settings

You can adjust the horizontal/vertical picture position, frequency (to minimize vertical stripes on the screen), and phase (to remove horizontal noise and sharpen the picture) manually or auto-configure these settings all at once.

1. Confirm a PC is connected (see "Connecting a personal computer (PC)" on page 12).
2. Repeatedly press ⊕ on the remote control or on the TV side panel to select PC input mode.
3. Press MENU, and then press ❮ / ❯ until the PC menu appears.
4. To automatically adjust the settings, press ❯ to highlight Auto and then press OK. The TV will automatically adjust the screen position, frequency, and phase. Allow a few seconds while auto-configuration is in progress.



5. To manually make the appropriate adjustments to other items, press ❯ to highlight the item to be set and then press ❮ / ❯ to make adjustment.
   • Frequency
   Minimizes any vertical bars or stripes appearing on the screen background. The adjustable range may vary depending on the input mode.
   • Phase
   Reduces (or minimizes) any horizontal noise and clears up or sharpens the character images. The adjustable range may vary depending on the input mode.
   • H. Position/V. Position
   Adjusts picture left/right and up/down. The adjustable range may vary depending on the input mode.

Selecting an input signal

If you would like to view image coming from another device connecting to your TV, repeatedly press ⊕ to select your desired input signal on the remote control or the right side panel of the TV.

A selection menu displays on screen after the first button press.

Note: When an S-Video signal is input to EXT2, EXT2-S will be automatically sensed. EXT2-S will be displayed on the input menu instead of EXT2.

Make sure the equipment you want to view is correctly connecting to the TV. See "Connecting external equipment" on page 10 for details.
In addition to accepting signals from external devices, the TV can meanwhile output signal to other external devices via ⇥(1) (SCART 1) or ⇥(2) (SCART 2).

Selected input mode	Using input connector	Available output connector(s): Output signal
TV		⇥(1) : Tuner, ⇥(2) : Tuner
EXT1	⇥(1)	⇥(2) : CVBS
EXT2/EXT2-S	⇥(2)	⇥(1) : Tuner
EXT3	⊕(3) (Video)	⇥(1) : Tuner, ⇥(2) : Video
EXT3-S	⊕(3) (S-Video) or ⊕(2S)	⇥(1) : Tuner, ⇥(2) : Tuner
PC	⊕ PC	⇥(1) : Tuner, ⇥(2) : Tuner

e.g. When you want to view an image coming from ⇥(1), make sure the connector is correctly connected to an external device and select EXT1 as the input mode. You can connect another equipment to ⇥(2) for recording or displaying the image in CVBS format via a SCART lead.

To exit this menu, press EXIT or OK, or just wait for a few seconds to let the menu disappear.

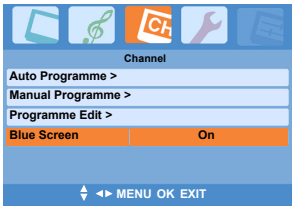
Features: Blue Screen, Channel Return, Mute, Headphones

Using the blue screen feature

With the blue screen function on, the screen will automatically turn blue and the sound will be muted when no signal is received.
To turn on the blue screen feature:

1. Press MENU, and then press ❮ / ❯ until the Channel menu appears.
2. Press ⌄ to highlight Blue Screen and press ❮ / ❯ to On.

If the blue screen appears repeatedly because of poor signal strength, select Off in step 2.

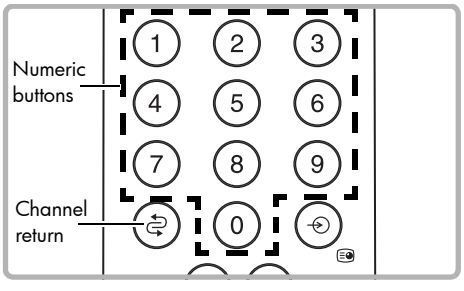


Switching between two channels (⇄)

The feature allows you to switch between two channels without entering an actual channel number each time. To switch between two channels:

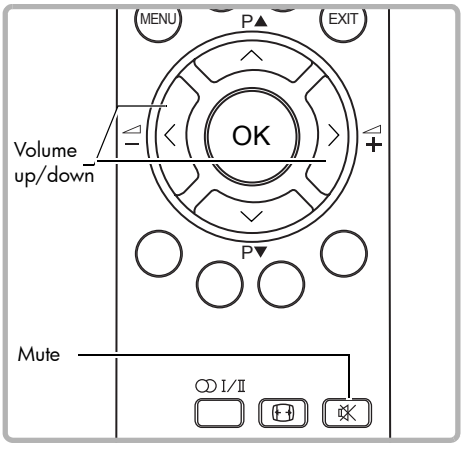
1. Select the first channel you want to view.
2. Select a second channel using the numeric buttons (0-9).
3. Press ⇄. The previous channel will be displayed. Each time you press ⇄, the TV will switch back and forth between the last two channels that were selected.

E.G. 3➡⇄11⇄ 3



Muting the sound

To temporarily mute the sound of your television, press 🔇 and the icon " 🔇 " will appear on screen. To return the sound, press 🔇 again.
During mute, pressing 🔉 will disable the mute function and decrease the volume; pressing 🔊 will also disable the mute function and increase the volume.



Using the headphones

When you plug in headphones, sound is transferred into the headphones. The audio setting of the headphone can be adjusted using 🔉/🔊 on the remote control or TV.

Using Teletext

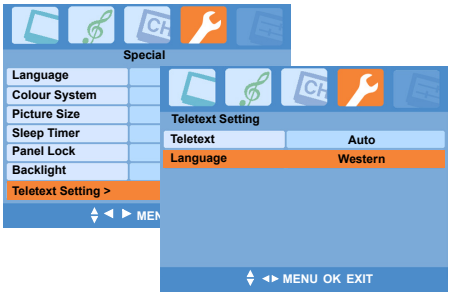
Teletext is an information system that displays text on your TV screen. Using the teletext control buttons you can view pages of information that are listed in the teletext index.

Note: No on-screen display is available in Teletext mode. The Contrast, Brightness and Colour cannot be changed, but the volume control is still available.

To select a language for Teletext Setting:

The language options enable the display of different languages when using Teletext Setting.

1. Press MENU, and then press < / > until the Special menu appears.
2. Press ∨ to highlight Teletext Setting > and press > or OK to display the Teletext Setting page.
3. Press ∨ to highlight Language and press press < / > to select a language from among: Western, Eastern, Cyrillic 1, Cyrillic 2, Arabic, and Other.



To enter Text mode

Press ▤/▨/▢. The text page will appear, normally the index page.

To mix the TV picture and text page

To view a TV programme whilst in text mode, press ▤/▨/▢. The text will be superimposed over the TV programme.

To exit Text mode

Press ▤/▨/▢ again. The screen will return to the channel you were watching.

To display the index/initial page

Press ⓘ to access the index/initial page. The one displayed is dependant on the broadcaster.

To select a page of text

Find the number of the page in the index and enter it using the Numeric buttons. The number of the page will appear in the top left hand corner of the screen.

The page counter will search for your page. When it finds it, the page will be displayed.

To move to the next page of text press ∨.

To move to the previous page press ∧.

To return to the index page, press ⓘ.

Page search while watching TV

Press ⏲/✕ in Text mode. The TV will return to TV mode with the text page number in the top left hand corner of the screen.

Enter the page number you want using the numeric buttons.

The top line of the text page will appear whilst the text searches for your page. When the page is found the number will remain in the top left hand corner of the screen.

Press ⏲/✕ to view your selected page of text.

Double height text

If you have difficulty reading the text on the TV, you can double the height of the text.

Press ⇕. The top half of the page will be displayed in double height text.

Press ⇕ again. The bottom half of the page will be displayed in double height text.

Press ⇕ again to return to the full page in normal text.

Page Stop

If the page of text you have selected contains sub pages, these sub pages will automatically be displayed in order with a delay to allow you to read the page.

To stop the move to the next sub page press . The symbol will display in the top left hand corner.

To continue moving through the sub pages, press again.

To reveal information

Press to reveal concealed information (quiz answers etc.).

Press again to conceal the information again.

To select a sub-page

If the page of text you are viewing contains sub-pages, press . The teletext will search for the sub page. This may take some time. To view the next sub-page, press a 4-digit number using the numeric number buttons, e.g. 0002.

To enter cancel mode

If you want to return to the TV whilst the teletext is searching, press .

When the page number is found, it will appear in the top left hand corner of the screen.

Press again to view the text page.

Clock

Press to display the time whilst watching a TV program. When you press again, the clock will disappear.

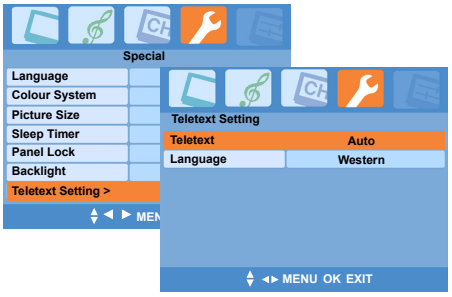
To view Teletext in Auto or List mode

The TV is capable of showing Fast and Top text in Auto mode, and List information on the screen, dependent on transmission.

The Teletext buttons on the remote control have the same function for both.

To select a text mode:

1. Press MENU, and then press < / > until the Special menu appears.
2. Press ∨ to highlight Teletext Setting > and press > or OK to display the Teletext Setting page.
3. Highlight Teletext and press < / > to select a language from among: Auto or List.



Navigating pages using Auto

If Fastext is available, four coloured titles will appear at the base of the screen.

To access one of the four given subjects, press the relevant coloured button on the remote control.

For further information on your particular text system(s), see the broadcast text index page, or consult your Toshiba dealer.

Navigating pages using List

The four coloured choices at the bottom of the screen are numbers – 100, 200, 300, and 400, which have been programmed into the TV's memory. To view these pages, press the relevant coloured buttons.

To change these stored pages:

1. Enter the 3-digit number to display the page you want to set
2. Press and hold the relevant colour button until "L" on the bottom left side changes to "S". The page number is stored.
3. To set the rest three desired pages, repeat steps 1 and 2.

Note: If you exit text and change the TV channel, the preset pages in List mode will be lost.

Questions and Answers

Below are the answers to some of the most common queries.
For more information, go to www.toshiba.co.uk.

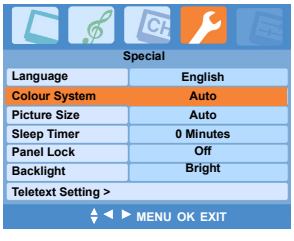
Q *Why is there no sound or picture?*

Check the mains switch is on and check all mains connections.
Check the TV is not in standby mode.

Q *There is a picture, but why is there little or no colour?*

When using an external source, if there is little or no colour, improvements may sometimes be achieved by changing the colour system. The colour is factory set to Auto to display the best colour system. If not, change the colour system. To do so:

1. Press MENU, and then press ‹ / › until the Special menu appears.
2. Press ˅ to highlight Colour System and press ‹ / › to select between Auto, PAL, SECAM, NTSC4.43, and NTSC3.58.



Q *Why doesn't the video/DVD being played show on screen?*

Make sure the VCR or DVD player is connected to the TV as shown on page 10, then select the correct input by pressing ⊕.

Q *Why is there a picture but no sound?*

Check all lead connections.

Check the volume has not been turned down or that sound mute has not been selected.

Q *Why is the VCR/DVD picture is black and white?*

Check the correct input has been chosen, EXT2, EXT3, or EXT3-S. See "Connecting a media recorder and/or a decoder" on page 10.

Q *What else can cause a poor quality?*

Interference or a weak signal. Try a different TV station. Manual Fine Tuning may help. See "Adding channels manually" on page 14 for details.

Q *Why don't the controls on the right side panel of the TV work?*

Check the Panel Lock is On.

Q *Why doesn't the remote control work?*

Check the batteries aren't dead or inserted incorrectly.

Q *Why are there vertical stripes on the screen when in PC mode?*

The Frequency may need adjustment. See "Using the PC settings" on page 19 for details.

Q *Why are there horizontal stripes and/or blurred on the screen when in PC mode?*

The Phase may need adjustment. See "Using the PC settings" on page 19 for details.

Q *Why is there no sound from my connected sound equipment?*

Check the Speaker Out in the Audio menu is set to On.

Q *Why are there no text sub-pages?*

There are none broadcast or they have not yet loaded. Press ▣(⊕) to access. See "To select a sub-page" on page 22 for details.

Q *Why are there problems with text?*

Good performance of text depends on a good strong broadcast signal. This normally requires a roof or loft aerial. If the text is unreadable or garbled, check the aerial. Go to the main index page of the text service and look for the User's Guide. This will explain the basic operation of text in some detail. If further information is needed on how to use text, see the "Using Teletext" on page 21 for details.

Q *Why are there no text sub-pages?*

There are none broadcast or they have not yet loaded. Press ⏮(⟲) to access. See "To select a sub-page" on page 22 for details.

Q *Why are the four coloured text numbers visible but no text?*

Text has been selected whilst viewing an external source i.e. DVD or VCR. No text will appear on screen or a box may appear stating no information is available. Select a broadcasting channel and press ☰/⧄/▢ to access.

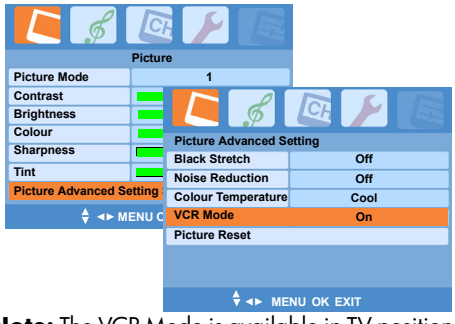
Q *Why are the colours wrong when a NTSC source is played?*

1. Connect the source via a SCART lead and play.
2. Set Colour System in the Special menu as Auto, NTSC3.58, or NTSC4.43.
3. Go to the Picture menu and adjust Tint. See "Adjusting the picture quality" on page 17 for details.

Q *The picture from my VCR is poor, how can I improve?*

You can turn the VCR mode on in the OSD menu to minimize or solve this problem.

1. Go to the Picture menu and press ⌄ to highlight Picture Advanced Setting.
2. Press › or OK to display the Picture Advanced Setting page and press ⌄ to highlight VCR Mode.
3. Press ‹ / › to select On.



Note: The VCR Mode is available in TV position 0 and EXT modes selected only.

Specifications

Note: Specification is subject to change without notice.

Broadcast systems/channels

PAL-I	UHF UK21-UK69 VHF E2-E12, S1-S41		SECAM-L	UHF F21-F69 VHF F1-F10, B-Q
PAL-B/G	UHF E21-E69 VHF E2-E12, S1-S41		SECAM-D/K	UHF R21-R69 VHF R1-R12

Video input PAL, SECAM, NTSC3.58/4.43

External connections

EXT1	Input/Output	21-pin SCART	Input: RGB, A/V Output: TV
EXT2	Input/Output	21-pin SCART	Input: A/V, S-Video Output: TV, EXT1, EXT3
EXT3	Input	4 pin	S-Video
		Phono jack	Video
		Phono jacks	Audio L+R
PC	Input Input	Mini D-Sub 15-pin 3.5 mm stereo jack	Analog RGB signal Audio
Audio output fixed		Phono jacks	Audio L+R

Programme position	100
Stereo	Nicam 2 carrier system
Visible screen size (approx.)	(20VL64) 20" diagonal /(15VL64) 15" diagonal
Display	4:3
Sound output (at 10% distortion)	(20VL64) Main 3W+3W / (15VL64) Main 2W+2W
Power consumption	(20VL64) 70W / (15VL64) 53W
Standby (approx.)	< 1 W
Dimensions (approx.)	(20VL64) 474 mm (W) x 465 mm (H) x 236 mm (D) / (15VL64) 372 mm (W) x 382 mm (H) x 206 mm (D)
Weight (approx.)	(20VL64) 8.5 kg (Net) 11.3 (Gross; EU) 10.8 (Gross; UK) / (15VL64) 4.4 kg (Net) 7.2 (Gross; EU) 6.7 (Gross; UK)
Headphone socket	3.5 mm stereo
Operating temperature	0°C—40°C (at sea level)
Storage temperature	-20°C—50°C (at sea level)

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Specification is subject to change without notice.